

Congratulations!

n your acquisition of your new HT750 is a high definition Audio/Video amplifier. As such, this product represents a unique synthesis of form, function and fidelity, superbly crafted to deliver all the critical requirements of a truly high performance home theater.

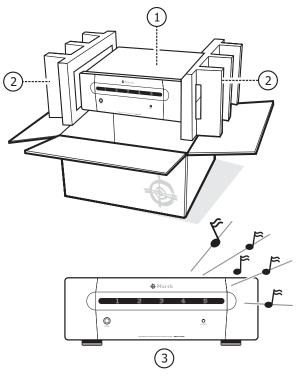
You will find only the finest audiophile-grade electronic components used in the signal path. Without any compromise, this product faithfully reproduces all of the subtle details of the original signal.

Please follow the instructions contained in this manual in order to derive the maximum performance, flexibility and enjoyment from your new product.

The MSD-HT750

The HT750 gives out 150 watts per channel, for a total of 750 watts. The HT750 is designed with a High End circuit with very low-noise Bi-Polar. A balanced, complimentary differential input circuit makes the HT750 even more linear than other systems.

Complex? Yes, but elegant and effective. The output stage has two pairs of high current, paralleled, bi-polar power transistors to meet the peak current demands of any speaker system. Dynamic transient sounds come through with full impact and clarity.



- 1. Carefully lift the unit out of the box.
- 2. Remove the foam packing material.
- 3. Set up the unit for use

Your new product was diligently handcrafted, thoroughly tested and carefully packed at our factory.

In the unlikely event that this product is damaged during shipment, be sure to save the carton as evidence for the freight carrier's inspection and call your local dealer immediately. We strongly recommend that you always save the box and packing materials should you have to transport your product for any reason.

CAUTION:

Never ship this product without the original Packing.

WARNING:

People with back problems should not unpack this equipment without assistance.

Please check and identify the following accessories that are packed with this unit:

- AC power cord (UL approved)
- Product Warranty registration card
- This owner's manual

YOUR RECORD

Marsh Sound Design

- A MARSH SOUND DESIGN warranty only applies to the original retail purchaser. The warranty certifies
 that the product is free from defects in material and workmanship and authorizes free service and/or
 parts exchange for a period of TWO years from the date of purchase. Service must only be done at an
 authorized MARSH SOUND DESIGN Service center.
- The warranty is subjected to the following conditions and limitations. The warranty is void if the product has been used in a manner other than that specified within the operating manual, if the product has been abused or misused, or if the product has been repaired by anyone other than an authorized MASH SOUND DESIGN Service center.
- 3. The warranty does not apply to defects or failure caused by usage of unauthorized parts, improper maintenance, fire, flood, lightning or other natural causes.
- 4. This warranty does not cover damage to the external parts, e.g. Front panel, knobs, casing etc.
- 5. A returned product must include a copy of the Warranty Certificate and the bill of sale and must be sent in the original packaging.
- 6. The warranty does not extend to any incidental or consequential cost or damage to the purchaser caused by a malfunction of the product.

The model number and serial number of this product can be found on either the back or the bottom of the unit.

Please note them in the space provide below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model Number: _	
Serial Number :	

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Placement Recommendation

Do not install the unit inthe following location

- 1. In a place subject to direct sunlight.
- 2. In a humid place.
- 3. In an extremely hot or cold place.
- 4. In a place subject to vibrations.
- 5. In a dusty place.
- 6. In a poorly ventilated place.

Listening Recommendation

Please note that your new HT750 will improve sonically over the course of the first week. After the first week, you will notice that the sound of your new product has become richer, warmer and more open!

Front Panel Controls

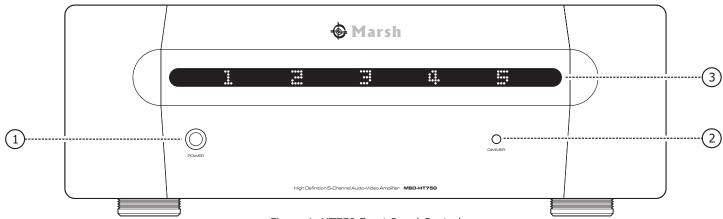


Figure 1. HT750 Front Panel Controls.

1. POWER

Pressing the POWER button once to turn the unit ON. Press the POWER button again to turn the unit OFF.

2. DIMMER

Press this button to adjust the brightness of the channel indicators on the front panel display. The brightness can be adjust into five different levels for variety of room condition.

3. CHANNEL INDICATOR

The numbers 1 to 5 on the front panel display will appear BLUE after the unit is ON, each number indicates the status of each channel. After the unit is ON, the blue number on the front panel display will be lit in order start from channel 1,2,3,4,and 5. In case of a malfunction, the blue number will keep blinking until the unit turns off itself.

REMARK: The MSD-HT750 can be linked with other MARSH SOUND DESIGN remote control Preamplifiers to utilize the remote on/off option of your preamplifier.

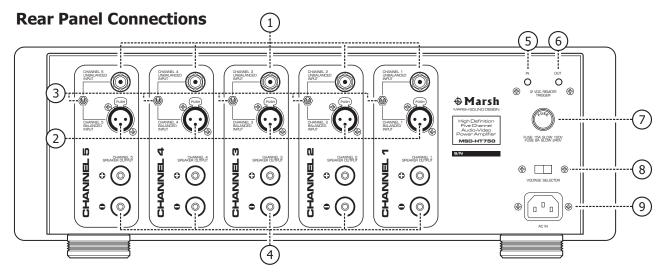


Figure 2. HT750 Rear Panel.

1. UNBALANCED INPUT

Receive signals from unbalanced preamplifier outputs.

2. BALANCED INPUT

Receive signals from balanced preamplifier outputs.

3. INPUT SELECTOR SWITCHES

Select according to the type of inputs being used.

4. SPEAKER OUTPUT

Output signals to speakers. Make sure to connect positive and negative output terminal.

5. REMOTE IN

This is a digitally controlled input designed to receive +12VDC from others MARSH SOUND DESIGN preamplifiers with remote Turn on capability or from other equipment e.g. power control center. With this function, the MSD-HT750 can be powered ON/OFF synchronized with that equipment.

6. REMOTE OUT

When the unit is ON there will be +12VDC output from this socket. Use it to turn on other related equipments.

7. MAIN FUSE

If there is a problem with the fuse, replace with a fuse of the same type and rating.

8. VOLTAGE SELECTOR SWITCH

120 or 220 Volts can be selected for a correct AC Voltage in different countries.

9. AC POWER

Connect the MSD-HT750 to the outlet with the enclosed power cord.

IMPORTANT: Please make sure of an appropriate AC Voltage before making any adjustment at voltage selector switch.

Internal protections

1. Over-current protection

The MSD-HT750 will go into protect mode and cut off the main power supply to protect the amplifier and speakers. This usually happens when the speaker terminals or wires are accidentally shorted together.

2. DC-fault protection

The MSD-HT750 will go into protect mode when it detects DC voltage at the speaker output. This is caused by a DC voltage leak from the pre-amplifier outputs or by an internal fault that gives a DC voltage leak at the speaker output.

When in the above mentioned protect mode, the unit will shut down to prevent damage to itself or the speakers. If this occurs, wait about 3 seconds for the unit to reset and turn itself on again. This process will be repeated for three times before the unit is shut down. If protect mode continues, turn the unit off and contact our service department.

3. Over heat protection

If the temperature of the heat sink exceed 76 degrees C, the MSD-HT750 will shut itself down. It will not restart automatically. Wait 5 to 10 minutes to let the unit cool down, and then press the POWER button to turn it back on.



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:

To prevent the risk of electric shock, do not remove the cover (or back) . No user-serviceable parts inside. Refer servicing to qualified service personnel.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT OPEN OR EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Replacing the AC Power Fuse

- 1. Turn the unit off.
- 2. Disconnect the AC power cord.
- 3. Slide open the fuse drawer completely.
- Remove and replace the fuse in the rear compartment. Use fuse type
 6.35 x 3.18 mm 8 Amp. Slow blow
- 5. Close fuse drawer completely.
- 6. Reconnect the AC power cord.

Trouble Shooting the Basics

Problems	Solutions
Unit does not turn on. The CHANNEL INDICATORS are not lit.	Confirm that the power cord is plugged in properly. Check If the fuse is still good.
No sound.	Check the speaker cable connection. Check the interconnect cable connection. Check the setting of the input selector switches at the rear panel. They must be set according to the type of input (Balanced or Unbalanced) being used.
No sound from one speaker.	Check the speaker or interconnect cable connection. Check the BALANCE control on the preamplifier, make sure that it is in the middle position.
Low bass sound.	Check the speaker cables for correct phase connection.

MSD-HT750 Specifications	
Power Output (All channel driven)	150 W(Rms) @8 ohms 20 Hz-20 kHz
	250 W(Rms) @4 ohms 20 Hz-20 kHz
Power Output - Peak (Burst 1 cycle sine, in	nterval = 10)
	205 W @5 ohms
	385 W @4 ohms
Total Harmonic Distortion (THD)+Noise	< 0.02% @20 Hz-20 kHz at 150W, 8 ohms
	< 0.04% @20 Hz-20 kHz at 250W, 4 ohms
Frequency response	20 Hz-20 kHz @0.2 dB
	-1 dB @70 kHz
Signal to Noise ratio (A-Weighted)	> 100 dB (Unbalance)
	> 90 dB (Balance)
Crosstalk	> 60 dB, 20 Hz-20 kHz
Damping Factor	230 @8 ohms and 110 @4 ohms
Dynamic Headroom	1.35 dB
Input Impedance	50 k ohms (Balance) at 1 kHz
	40 k ohms (Unbalance) at 1 kHz
Input Sensitivity	1.28 V @8 ohms,150W
Bandwidth	130 kHz @1W, 8 ohms Load
Net Weight	76.16 lbs (34 kgs).
Shipping Weight	85.12 lbs (38 kgs).



MARSH SOUND DESIGN

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